

Codebook

Aggregated Threshold Function Dataset (1945-2000)

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Abstract

This codebook provides the description and operationalisation of the variables used to characterise PR and plurality/majority electoral systems employed in worldwide parliamentary elections between 1946 and 2000. Characterisation is carried out using two values: the minimum proportion of votes necessary to win 1 seat in the parliament and the minimum proportion of votes required to win half of the seats in the lower chamber. This dataset is a modified version of a broader dataset elaborated by Golder (2005) and Przeworski et al (2000). Data is presented by country and election year.

Bibliographic Citation

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Acknowledgement

Any publication, whether printed, electronic or broadcast, based wholly or in part on these dataset, should acknowledge the original data creator.

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CCODE – Country code. Appendix 1 shows the codes for every country.

REGION – Regions of the World. Labels for these regions are

- | | |
|-----------------------------|------------------------------|
| 1 - Sub-Saharan Africa | 6 - Middle East-North Africa |
| 2 - South Asia | 7 - Latin America |
| 3 - East Asia | 8 - Non-hispanic America |
| 4 - South-East Asia | 9 - Eastern Europe |
| 5 - Pacific Islands-Oceania | 10 - Western Europe |

COUNTRY - Name of the country in the database. .

ELECYEAR – Year of Election. Three criteria have been used to select each election. First a temporal one. The election must have occurred between 1945 and 2000. Second, a political one. The election must have occurred under a democratic period. A democratic period is defined as one in which two or more political parties compete periodically for office, or as Przeworski defines “democracy is a system in which parties lose elections” (Przeworski 1991; Przeworski, Limongi, Cheibub, and Alvarez 2000). Finally, an institutional criterion is used. Only those electoral systems that allow the application of aggregated threshold functions are chosen.

TYPE_SYST – Type of electoral system used in each election. Labels for this variable are

- 1 - Winner-takes-all_Plurality
- 2 - Winner-takes-all_Majority
- 3 - P.R.-Divisors
- 4 - P.R.-Quota

Since aggregated thresholds functions cannot be applied to all electoral formulae the following electoral formulae are included in these categories:

- Winner-takes-all_Plurality : First Past The Polls and Block Vote
- Winner-takes-all_Majority: Two Round System -includes Absolute Majority and Qualified Majority
- P.R.-Divisors: d’Hondt and Sainte-Laguë
- P.R.-Quota: Hare and Droop

ASSEMBLY – Total number of seats elected in the lower chamber

DISTRICTS – Number of districts in which the country is divided.

MIN_E – Minimum district magnitude in the first tier. If there is only one tier of seats allocation then this value shows the minimum district magnitude that can be found in the territory

MAX_E – Maximum district magnitude in the first tier. If there is only one tier of seats allocation then this value shows the maximum district magnitude that can be found in the territory

AVERAGMA - Average district magnitude is calculated as follows,

$$\widehat{M} = \frac{S}{E}$$

where E refers to the number of districts in which the territory is divided and S refers to the assembly size. See Lijphart (1994) and Taagepera (2007)

FORMULA – Electoral formula used in the first tier. If there is only one tier of seat allocation, then, this is the formula used in the whole territory. Labels for this variable are

- | | |
|-------------|-----------|
| 1 - FPTP | 5 - S-L |
| 2 - TRS | 6 - Hare |
| 3 - BV | 7 - Droop |
| 4 - d'Hondt | |

DIVISOR - Divisor electoral formula used in electoral system. It corresponds to the c values need to calculate the V^{nec} functions. They have to values 1 and 0.5 which corresponds to D'hondt and Sainte-Laguë respectively.

QUOTA - Quota electoral formula used in electoral formula. It corresponds to the n values need to calculate the V^{nec} functions. They have to values 0 and 1 which corresponds to Hare and Droop quotas respectively

PARTIES_ENP – Effective number of competing parties. It is calculated following Laakso and Taagepera (1979) and Taagepera and Shugart (1989) as

$$P_{ENP} = \frac{1}{\sum (V_T^p)^2}$$

where V_T^p refers to the total share of votes won by party p .

PARTIES_TAAG – Number of competing parties that could win seats in the legislature, as suggested by Taagepera (2007). Given an assembly size, S , and a district magnitude, M_d , Taagepera estimates that the number of parties that could win seats can be obtained using the following formula¹

$$P_{Taag} = (S * M_d)^{1/4}$$

Since generality is a distinctive feature of aggregated threshold functions, M_d above can be substituted by the average district magnitude in order to obtain

¹For a full development of this predictor see Taagepera (2007:133-134)

the number of parties that could win seats in the assembly nationwide. After this substitution, the number of potentially seat-winning parties is

$$P_{Taag} = \left(\frac{S^2}{E} \right)^{1/4}$$

Vnec_1_ENP – Minimum necessary proportion of votes required to win 1 seat in the parliament nationwide using ENP as calculated by Laakso and Taagepera (1979)

Vnec_half_ENP – Minimum necessary proportion of votes required to win half of the seats in the parliament nationwide using ENP as calculated by Laakso and Taagepera (1979) in case of missing data

Vnec_1_Taag – Minimum necessary proportion of votes required to win 1 seat in the parliament nationwide using the number of parties that can win a seat as calculated by Taagepera (2007)

Vnec_half_Taag – Minimum necessary proportion of votes required to win half of the seats in the parliament nationwide using the number of parties that can win a seat as calculated by Taagepera (2007) in case of missing data.

Appendix 1

This table shows the codes that have been used to identify each country.

Table 1: Country codes used in the database

Country	Code
Albania	1
Andorra	2
Antigua	3
Argentina	4
Armenia	5
Bahamas	6
Bangladesh	7
Barbados	8
Belize	9
Benin	10
Bolivia	11
Brazil	12
Bulgaria	13
Canada	14
Cape Verde	15
Central Africa	16
Colombia	17
Comoros	18
Congo	19
Costa Rica	20
Croatia	21
Chile	22
Dominica	23
Dominican Rep.	24
Ecuador	25
El Salvador	26
Finland	27
France	28
Ghana	29
Greece	30
Grenada	31
Guatemala	32
Guyana	33
Haiti	34
Honduras	35
Iceland	36
India	37
Indonesia	38

Table 1: Country codes used in the database (cont.)

Country	Code
Israel	39
Jamaica	40
Japan	41
Kiribati	42
Korea, South (Rep)	43
Kyrgyzstan	44
Laos PDR	45
Latvia	46
Lebanon	47
Liechtenstein	48
Lithuania	49
Luxembourg	50
Macedonia	51
Madagascar	52
Malawi	53
Mali	54
Marshall Islands	55
Micronesia	56
Moldova	57
Mongolia	58
Myanmar	59
Namibia	60
Nepal	61
Netherlands	62
New Zealand	63
Nicaragua	64
Niger	65
Nigeria	66
Norway	67
Pakistan	68
Palau	69
Panama	70
Papua New Guinea	71
Peru	72
Philippine	73
Polan	74
Portugal	75
Russia	76
San Marino	77
Sao Tome and Principe	78
Sierra Leone	79
Slovak Rep.	80

Table 1: Country codes used in the database (cont.)

Country	Code
Solomon Islands	81
Somalia	82
Spain	83
Sri Lanka	84
St.Kitts and Nevis	85
St.Lucia	86
St.Vincent	87
Sudan	88
Suriname	89
Sweden	90
Switzerland	91
Taiwan	92
Thailand	93
Trinidad and Tobago	94
Turkey	95
Uganda	96
Ukraine	97
United Kingdom	98
USA	99
Uruguay	100
Venezuela	101
Zambia	102

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